**4010-3**

**Foam-Fast™ 3/4” Foam Applicator**

The Scotty 4010-3 is the most simple and effective method of deploying a foam surfactant/wetting agent onto a fire scene from a 3/4” garden hose. Professional firefighters use foam surfactants in their water to lower the water’s surface tension, allowing it to spread and penetrate much more easily. To operate, simply open the inlet side of the mixing chamber, insert a foam cartridge, reseal the inlet end cap, attach to a 3/4” garden hose and spray foam. The 4010-3 will flow water at a rate of 3 gpm (12 Lt./m) when attached to a standard 3/4” garden hose line. The Scotty 4010 Foam Cartridges are 100% biodegradable, non toxic and are available separately. Each 6” cartridge will last just under 1 hour at pressures between 65 and 70 psi. The 4010-3 is recommended for use with water pressures between 35 psi and 85 psi (the higher the pressure, the greater the reach of stream).

**4010-MINI**

**Foam-Fast™ Mini**

The Scotty 4010-MINI Foam-Fast™ unit is a kit used to convert a Scotty 4000 Water Hand Pump, or any hand pump with ¾” garden hose threads, into a hand pump capable of generating a foam surfactant/wetting agent. When installed on a hand pump, the 4010-MINI, works by diluting a solid foam cartridge into the water flowing through the pump. The foam/water solution then passes through the patented Scotty 4003 Air-Aspirating Foam Nozzle producing low expansion foam. Each 4010-MINI Foam-Fast™ unit comes with six foam cartridges. Each 3” long foam cartridge will continue to produce foam through four refillings of a standard 5 gallon backpack. The foam cartridges are 100% biodegradable and contain no toxic materials.

Each 4010-MINI Foam-Fast™ unit comes with a 5” long Mixing Chamber, a 3gpm Air Aspirating Nozzle and six 3” long foam cartridges. The Scotty Foam Cartridges (stock code 4010CART3) are biodegradable and are available separately.

**4010-15gpm, 30gpm or 50gpm**

**Foam-Fast™ 1½” Foam applicators**

The Scotty 4010 Foam-Fast™ units are simple and effective tools for deploying a foam surfactant / wetting agent onto a fire scene with a 1-1/2” fire hose. When connected to a hose line, the 4010, available in 15, 30 or 50 gpm flow rates, works by diluting a solid foam cartridge into the water flow. The foam/water solution then passes through the patented Scotty Air-Aspirating Foam Nozzle producing low expansion foam. Each 12” long foam cartridge will last up to 30 minutes. The foam cartridges are 100% biodegradable and contain no toxic materials.

Each 4010 Foam Fast unit comes with either a 15gpm, a 30gpm or a 50gpm Nozzle, 15” long Mixing Chamber, two Pistol Grips (one with D-Handle Shut-Off). 12” long foam cartridges are sold separately. The Scotty Foam Cartridges (stock code 4010CART12) are biodegradable and are available separately. Order stock code 4010-15 for a 15gpm unit, a 4010-30 for a 30gpm unit and a 4010-50 for a 50gpm unit. Please specify 1-1/2” NHT or NPSH threads when ordering.
4060
Foam Eductors
Scotty 4060 Foam Eductors fit 1½ hose lines and are manufactured in five flow rates: 15, 30, 50, 70 and 95 gpm. They are designed to be matched with Scotty Air Aspirating Nozzles of the same flow rate. The standard eductor is factory set for a fixed 1% eduction ratio. Eductors are available, upon request, for a .5% or 3% eduction ratio.

All eductors will generate 30 inches of vacuum at pressures as low as 30 psi, making the Scotty eductors extremely efficient. Mounted as an in-line eductor on a pump the 4060 is restricted to a maximum hose length of 150 feet. With a foam pail or backpack supplying the foam concentrate, the 4060 Eductor can be mounted to the end of a fire hose.

To adjust the amount of foam solution to be educted, the 4060 can also be fitted with a 4064 or 4065 Variable Percentage Checkvalve (see page 10), with settings of: OFF, .5%, 1% and 3%. These units must be matched to the flow rate of the eductor.

Variable Percentage Checkvalves
These checkvalves are designed to fit all Scotty 4060 eductors, controlling the percentage of foam concentrate educted.

The units have four control positions: Off - .5% - 1% and 3%, allowing for eduction of Class A and B (AFFF) foam concentrates. They can be retrofitted onto Scotty 4060 eductors.

4064 - The inlet has a male 3/4” GHT for attachment of a foam pickup hose.
4065 - Attaches to the 4075-50 Foam Kits.

NOTE: When ordering checkvalves, the flow rate of the eductors must be specified.

4071
Scotty “Through-the-Pump” Foam Eductor/Mixer
The 4071 Foam Eductor/Mixer is a very simple unit used to educt foam concentrate into hose lines. It is mounted between the discharge and suction side of a pump (see diagram below). For use on portable forestry pumps or fitted permanently to skid units, the 4071 is a simple and effective way for fire departments to add a foam capability to their equipment.

The unit is adjustable, permitting foam percentages of 0.1 to 1.25% to be educted depending on the nozzles being used. A 4071 includes the eductor, pressure hose and pick-up hose. A 4071KIT includes the eductor, pressure hose, pick-up hose and two connecting aluminum tees: a 1½” and a 2”.

4072
Mini “Through-the-Pump” Foam Eductor/ Mixer Kit
The 4072 was developed for mounting on smaller portable water pumps. Like the larger 4071, the unit is mounted between the discharge and suction side of a pump. The 4072KIT comes with two 1½” NPSH cast aluminum swivel Tee’s.

The unit is calibrated for preset eduction ratios with settings of: OFF - .2 - .5 - .7 and 1%. The 4072 is available for flow rates of 30 (140Lts), 50 (225Lts) and 70 (315Lts) gallons per minute. Please specify gpm rating when ordering.

Scotty 4071 “Through-the-Pump” Foam Mixer Mounting Diagram
This graphic illustrates the locations of connections and the mixer unit. By following the instructions on the table on the side of the Eductor/Mixer, the user can easily adjust the unit to desired concentrations of foam.